

FIG. 1
PRIOR ART

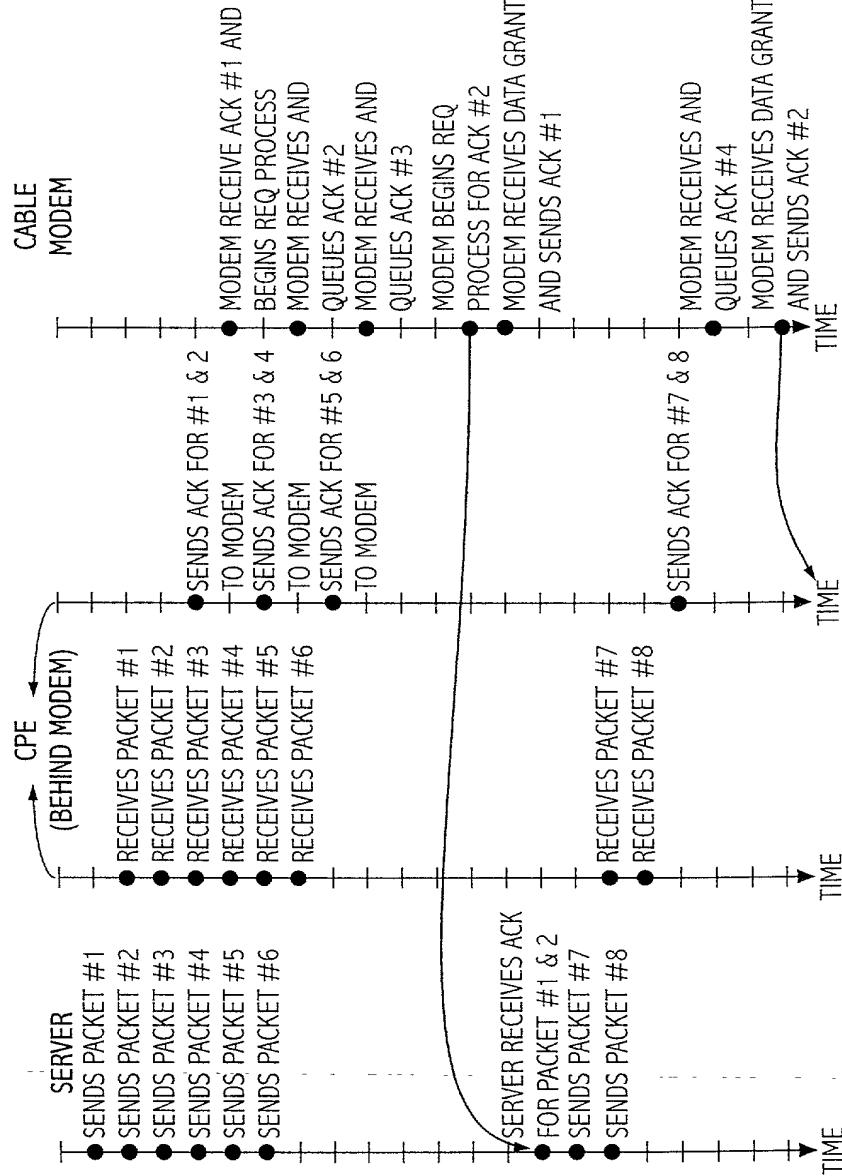
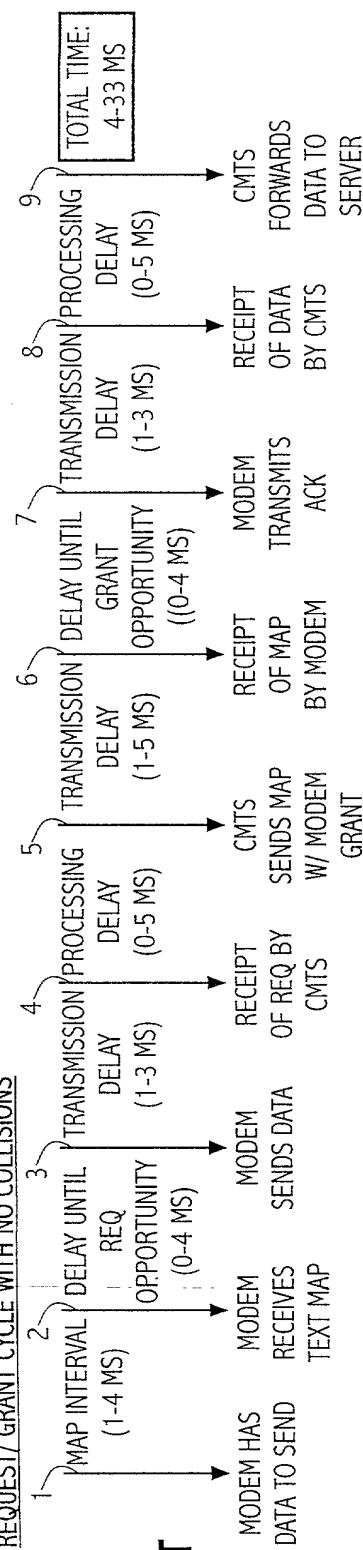


FIG. 2
PRIOR ART

FIG. 3

16

18

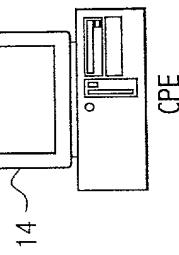
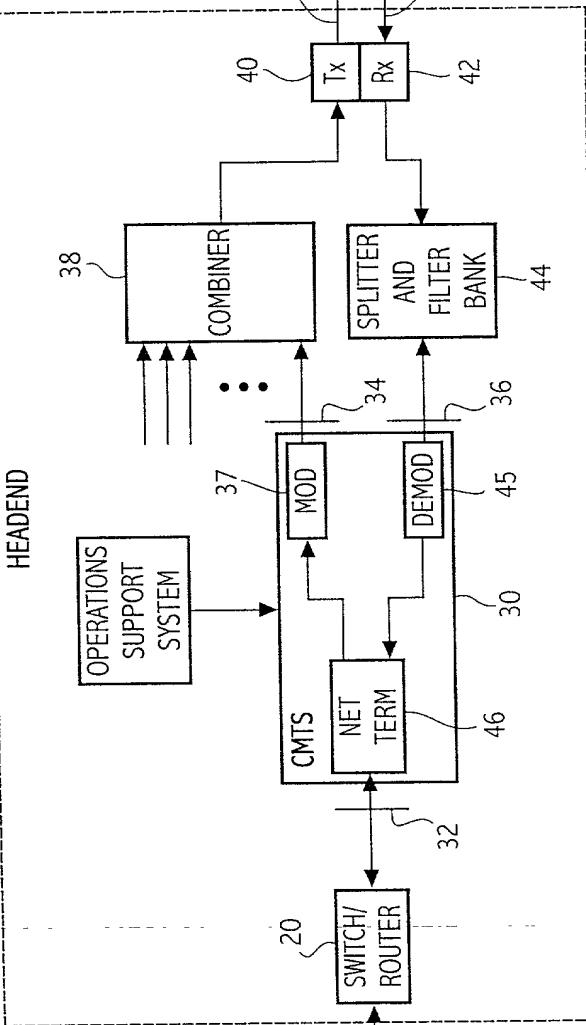


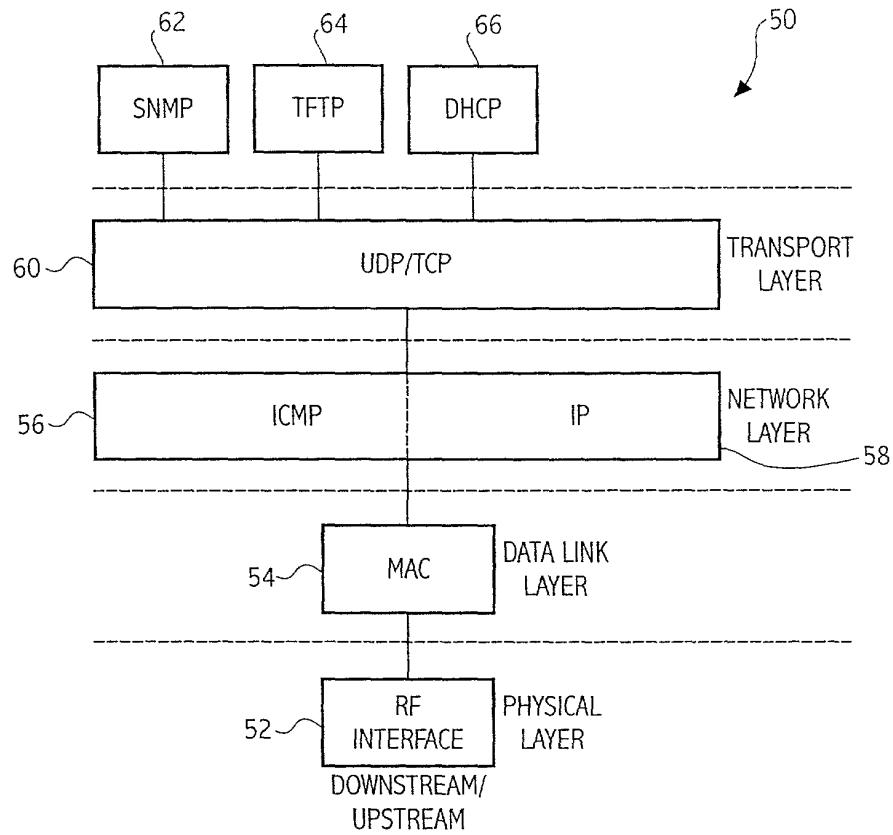
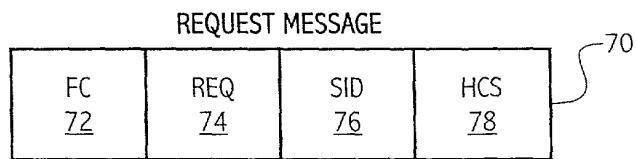
FIG. 4**FIG. 5**

FIG. 6

MAP MESSAGE

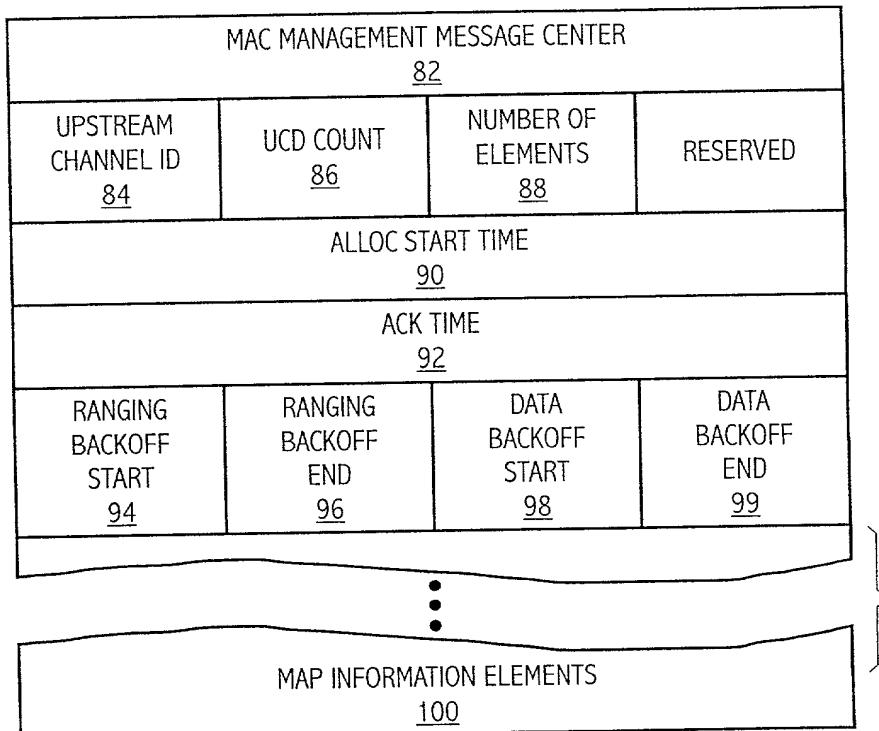


FIG. 7

MAP INFORMATION ELEMENTS

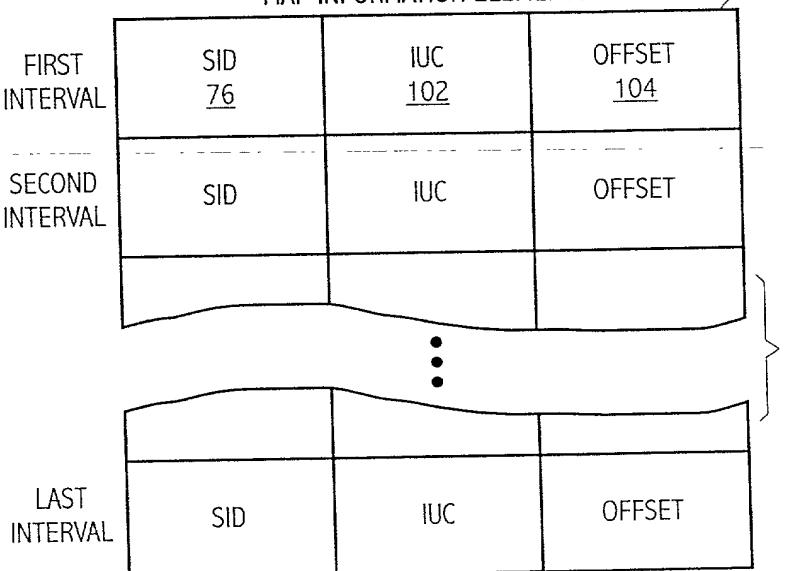
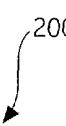


FIG. 8

FC (1 BYTE)	MAC PARM (1 BYTE)	LEN (2 BYTES)	EXT. HDR (5 BYTES)	HCS (2 BYTES)
DA (6 BYTES)	SA (6 BYTES)	TYPE/LEN (2 BYTES)		
PAYLOAD (0-1500 BYTES)				
CRC (4 BYTES)				

FIG. 9

FC (1 BYTE)	MAC PARM (1 BYTE)	LEN (2 BYTES)	
EH_TYPE (4 BITS) = 15	EH_LEN (4 BITS) = 6 BYTES		
EHX_TYPE (1 BYTE) = TBD	EHX_LEN (1 BYTE) = 4	EH_VALUE (4 BYTES) = DOCSIS TIME-SYNC INDICATING THE ARRIVAL TIME OF THE DATA PACKET	
HCS (2 BYTES)			
DA (6 BYTES)	SA (6 BYTES)	TYPE/LEN (2 BYTES)	
PAYLOAD (0-1500 BYTES)			
CRC (4 BYTES)			



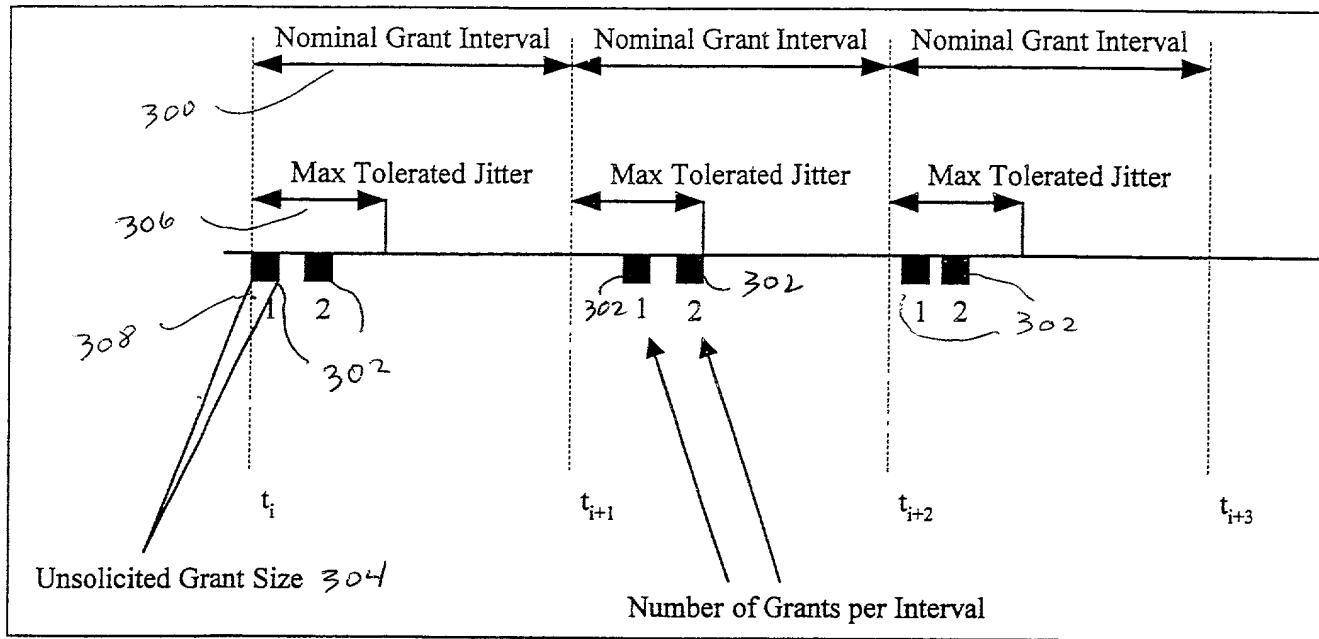
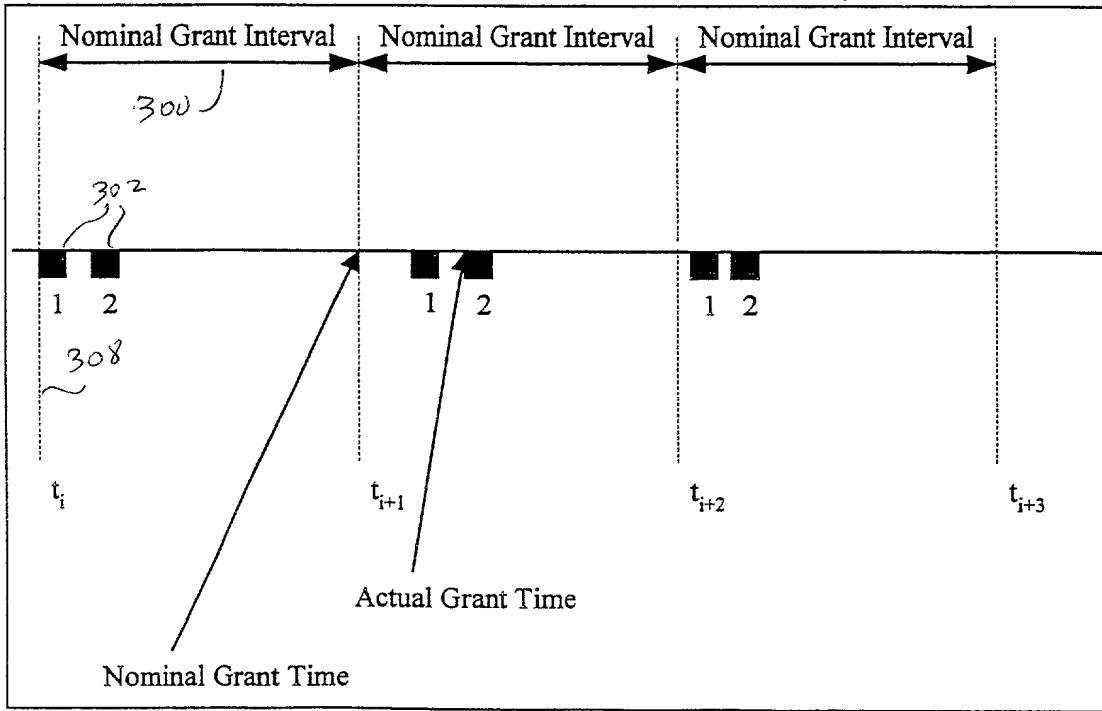


Fig. 10

Fig. 11



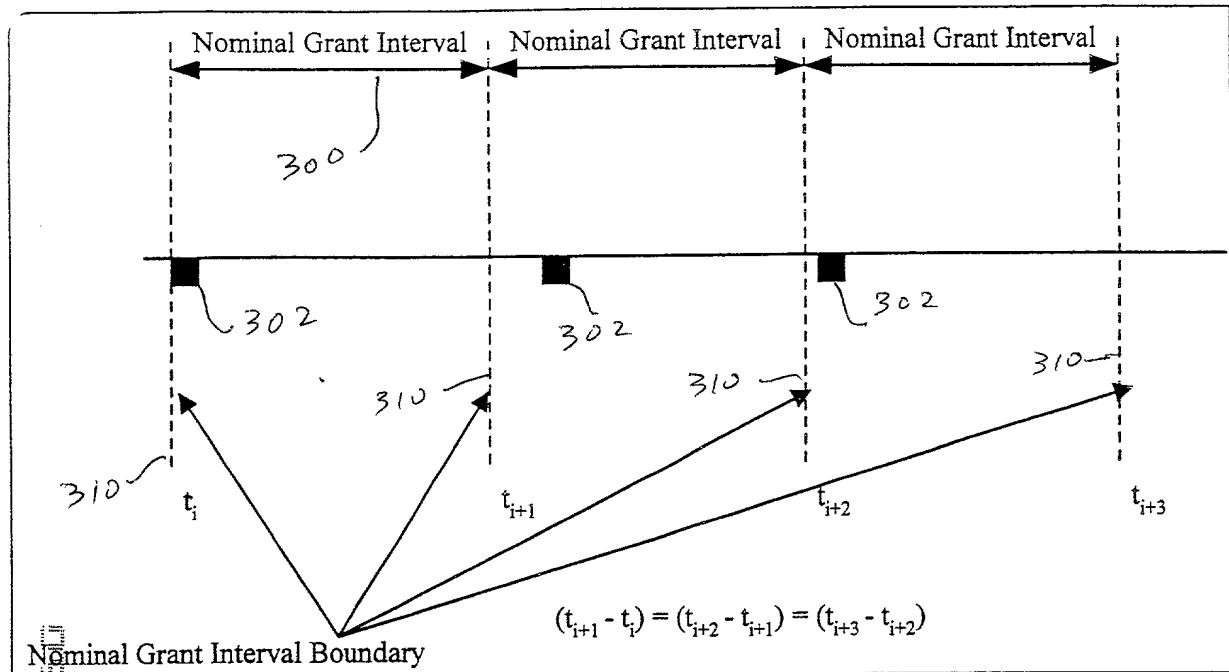


Fig. 12

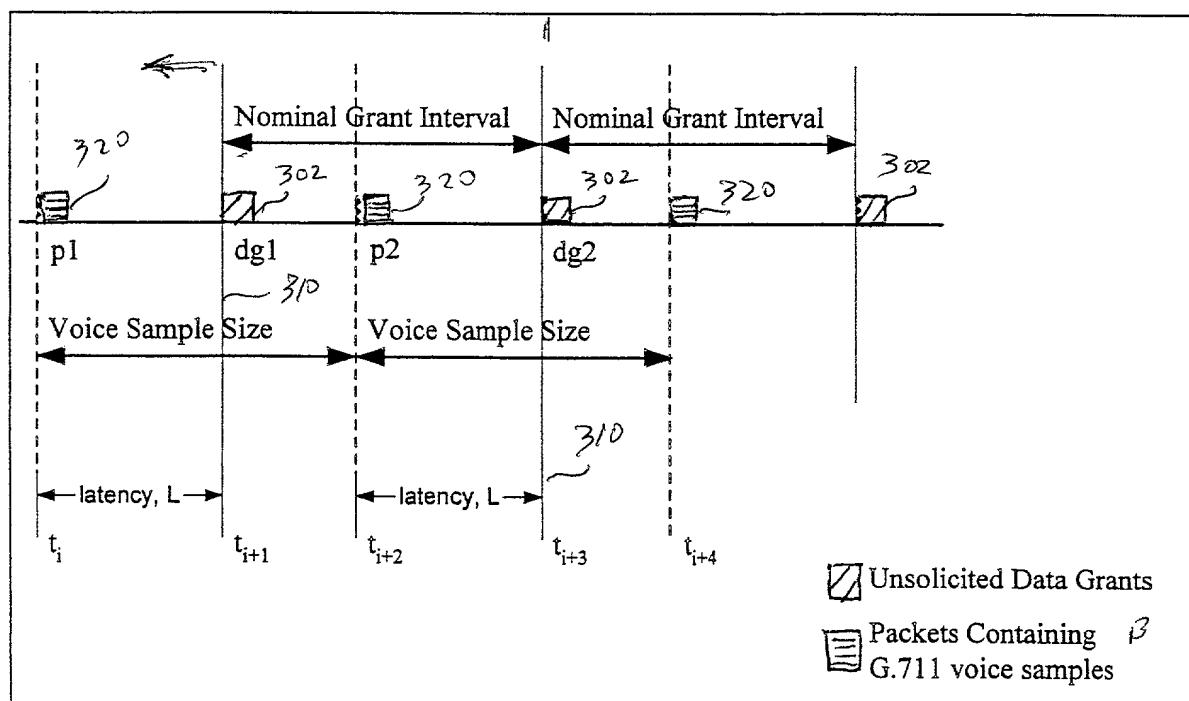
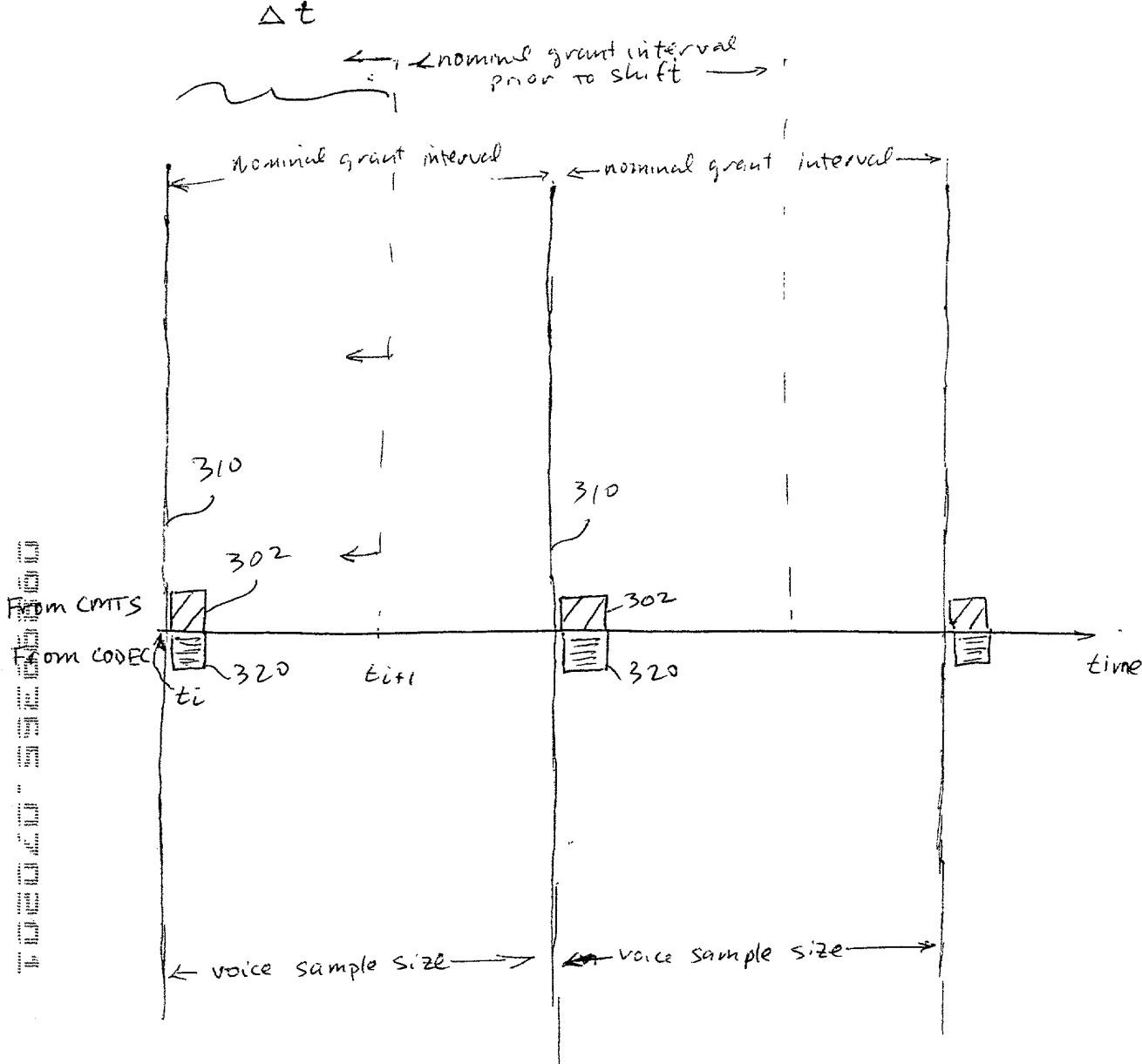


Fig. 13



Latency = 0 due to shift in Nominal Grant Interval by $\Delta t = t_{i+1} - t_i$

Unsolicited data grant 302

Packet Containing G.711 Voice Samples 320

Fig. 14